

WPI Acc No: 1989-036658/198905

XRAM Acc No: C89-016126

Carbon monoxide removal compsn - comprising catalyst for oxidising carbon monoxide based on palladium and copper, and gas adsorbent

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63310627	A	19881219	JP 87144122	A	19870611	198905 B

Priority Applications (No Type Date): JP 87144122 A 19870611

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 63310627	A		5		

Abstract (Basic): JP 63310627 A

CO remover comprises catalyst for oxidising CO, which is prepd. by supporting catalytic components comprising Pd and Cu salts on porous support, and gas adsorbent, which is prepd. by supporting at least one salt of Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Mo or Sn on a porous support.

Pd salt pref. used is PdCl₂ and Cu salt is CuCl₂. Support for supporting catalytic components comprises gamma-alumina, active carbon, silica alumina or zeolite and that for gas adsorbent comprises active carbon, silica gel, alumina, silica alumina or zeolite. Pd salt is supported in an amt. of 0.01-0.5 m.mole/g and Cu salt in an amt. of 0.1-2.0 m.mole/g, e.g. 0.4-1.5 m.mole/g. As promoter, V cpd. or V cpd. and P cpd. can be used. Metal salt is supported on the support of gas adsorbent in an amt. of 0.1-90g, e.g. 0.5-80g to 100g of the support based on the wt. of anhydride.

USE/ADVANTAGE - The remover is used in gas mask or as filter of cigarette. CO in waste gas contg. organic gas is effectively removed and activity is kept high for a long time.

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Title Terms: CARBON; MONO; OXIDE; REMOVE; COMPOSITION; COMPRISE; CATALYST; OXIDATION; CARBON; MONO; OXIDE; BASED; PALLADIUM; COPPER; GAS; ADSORB

Index Terms/Additional Words: GAS; MASK; CIGARETTE; FILTER

Derwent Class: D18; E36; J01; K02

International Patent Class (Additional): B01D-053/36; B01J-020/02; B01J-027/13

File Segment: CPI

Manual Codes (CPI/A-N): D07-D; E11-Q02; E31-N05B; E35; J01-E03C; J01-E03F; K02-B; N02-D; N02-F

Chemical Fragment Codes (M3):

01 A350 A422 A423 A424 A425 A426 A427 A428 A429 A430 A542 A940 C730
M411 M417 M781 M903 M904 N164 Q243 Q431 Q436 Q439 Q441 Q508
8905-D1301-R

02 C106 C108 C550 C730 C800 C801 C802 C803 C805 C807 M411 M750 M903
M904 M910 N164 Q243 Q431 Q436 Q439 Q441 R01423-X

03 A429 A546 A940 C017 C100 C730 M411 M730 M903 Q421

Derwent Registry Numbers: 1423-U; 1547-S; 1705-S

Specific Compound Numbers: R01423-X

Generic Compound Numbers: 8905-D1301-R